

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 01-141783

(43)Date of publication of application : 02.06.1989

---

(51)Int.Cl. B41M 5/00

D21H 1/22

D21H 5/00

---

(21)Application number : 62-301694

(71)Applicant : HONSHU PAPER CO LTD

(22)Date of filing : 30.11.1987

(72)Inventor : YOSHIZUMI TSUNETO  
NOMURA YOSHINOI

---

## (54) INK JET RECORDING PAPER

### (57)Abstract:

PURPOSE: To make on-machine coating possible by applying an ink accepting layer consisting of an amorphous silica as a pigment and alumina sol as an inorganic binder.

CONSTITUTION: A coating liquid is prepared by blending an amorphous silica as a pigment and alumina sol as an inorganic binder into an organic binder. This coating liquid is applied on a support to form an ink-accepting layer. In this way, an ink jet recording paper is manufactured. The dosage of amorphous silica is about 0.80W11.0g/m<sup>2</sup> to the solid content of paint, preferably about 2.20W6.00g/m<sup>2</sup>. Alumina sol is an alumina hydrate with a colloidal size of about 5W200nm, and anions in water dispersed by polymer particles as a stabilizer. The dosage of alumina sol should preferably be about 0.10W0.30g/m<sup>2</sup> for the solid content of paint.

---

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against

examiner's decision of rejection]

[Date of extinction of right]